

This is a request for quotes for improvements to the Lake Yale Marsh Park Stormwater Pond.



1. Dual Panel Pole Mounted Solar Aerator with two sub-surface diffusers.

Contractor will be responsible to furnish and install a Dual Solar Panel Sub-Surface Pond Aeration System with 2- diffusers. Please see the attached set of annotated plans that provide details on placement of post mounted solar aerator pump, panels, and diffusers. Aerator lines shall be buried in 2" sch 80 PVC from the pole to the pond. Exact placement shall be coordinated with contractor and County Project Manager prior to construction.

System shall be pole mounted with the panels no less than eight (8) feet in height as measured from grade at base of pole. The pole shall be minimum 3" sch 40 steel anchored per manufacturer's specifications. Compressor and any associated components must also be post mounted. System shall be SD-4 as manufactured by US Solar Mounts.

2. Fish Barrier Assembly

Scope of work also includes fabrication and installation a fish barrier that will extend across the ditch on the south end of the pond. Barrier design shall meet FWC requirements for placement of triploid grass carp and must be submitted for consideration with bid. Barrier must be fabricated

of steel or galvanized steel. Barrier assembly shall be adequately toed into slope and ditch bottom to prevent fish escaping during high water conditions.

3. Plantings

Contractor shall be required to weed eat and then install aquatic plants along the pond edge every 2ft for the entire length of the pond at or within 1' of water's edge as appropriate to plant species. Weed eating shall not be done where clumps of canalilly or other desired plants as identified by the County Project Manager are located. Plantings shall be 1-gallon pots in good health. Plantings shall alternate between Spatterdock, Arrowhead/ Duck Potato, Bulrush, and Pickerelweed and shall be grouped by species in lengths along shore not to exceed 20' for any one plant type. Final placement may be adjusted as agreed to by Project Manager.

The contractor is responsible for all utility locates, erosion control measures, and maintenance of traffic per FDOT Standard Plans for Road and Bridge Construction, Index 600.

There will be a mandatory on-site pre-bid meeting held on February 23, 2022 at 10:00 A.M.